

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE May 21, 1998	APPLICATION NUMBER G2-29724	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME Danny R Mitchell			
ADDRESS (STREET) PO Box 212	(CITY) Lebam	(STATE) Washington	(ZIP CODE) 98554-0212

PUBLIC WATERS TO BE APPROPRIATED

SOURCE A well
TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 40	MAXIMUM ACRE FEET PER YEAR 1.67
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QUANTITY, TYPE OF USE, PERIOD OF USE 0.67 Acre-feet per year 1.00 Acre-feet per year	Multiple domestic supply Irrigation (2 Acres)	Year-round, as needed May 15 to October 15
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LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL 900 feet North and 600 feet East of the South quarter corner of Section 33.
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LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW ¹ / ₄ SE ¹ / ₄	SECTION 33	TOWNSHIP N. 13	RANGE, (E. OR W.) W.M. 7W	W.R.I.A. 24	COUNTY Pacific
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Parcel A: Commencing a the Southwest corner of the Southeast quarter of the Southeast quarter of Section 33, T. 13 N., R. 7 W.W.M., Pacific County, Washington; thence North 60 rods to the place of beginning; thence East 20 rods; thence North 20 rods; thence West 20 rods; thence South 20 rods to the place of beginning. Parcel B: The North half of the Northeast quarter of the Southwest quarter of the Southeast quarter of Section 33, T. 13 N., R 7 W.W.M., Pacific County, Washington; EXCEPT the East 30 feet thereof.

DESCRIPTION OF PROPOSED WORKS

A well

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	Completed	June 1, 2006

REPORT

BACKGROUND:

On May 21, 1998, Danny Mitchell filed an *Application for Water Right* to appropriate public ground water from a well. A withdrawal rate of 90 gpm was requested for multiple domestic supply of 2 homes and the irrigation of 2 acres. The application was assigned water right number G2-29724. The project site is located in Water Resource Inventory Area 24, the Willapa River watershed.

A public notice of the proposed change was published in the Willapa Harbor Herald on July 30, and August 6, 2003, and no objections were received.

Based on the provisions of Chapters 90.03 and 90.44, Revised Code of Washington (RCW), and the following information, I recommend issuance of a permit.

INVESTIGATION:

This application was filed with the intent of securing a water right for 2 homes, including the irrigation of 2 acres of landscaping. The Lebam community is located within the Willapa River watershed in Pacific County, approximately 14 miles southeast of the City of Raymond.

In consideration of this application, I reviewed the information submitted with this application, records of water rights and well logs on file with this department, and several other reports and hydrogeological assessments on the area. Don Davidson and I visited the site on October 24, 2003.

General Area

The Willapa Watershed includes the Willapa River and its tributaries, which account for about 167,740 acres. It supports fall Chinook, Coho, fall Chum salmon and winter steelhead. Major tributaries known to support salmon include the South Fork Willapa River, Trap Creek, Mill Creek, Wilson Creek, Fork Creek, and Ellis Creek.

Much of the region is forested with mixed stands of Douglas-fir, western hemlock, western red cedar and Sitka spruce. Nearly two-thirds of the land in the Willapa River watershed is commercial forestland. Farms and irrigated lands together make up another seven percent, including 1,400 acres of cranberry bogs.

The Willapa River has a very wide range of flows due to the geology of the watershed. The river valley consists of shallow alluvial deposits over bedrock. The capacity of the basin for ground water storage is very low (Pickett 1999).

Neighboring Water Users

A review of Department of Ecology records indicates that no other ground water certificates have been issued within an approximate half mile radius of the subject well. There are, however, several claims on file with the Department of Ecology that fall within this half mile radius. The majority of the claims were filed on exempt wells for general domestic purposes.

File #	First Primary	Doc	Date	Qi	Ir Acres	TRS	Source
G2-148240CL	PIPPIN MARY	Claim L		0	0	13.0N 07.0W 33	WELL
G2-132049CL	KAECH JAKE J	Claim L		0	0	13.0N 07.0W 33	WELL
G2-132050CL	KAECH JAKE J	Claim L		0	0	13.0N 07.0W 33	WELL
G2-132051CL	KAECH JAKE J	Claim L		0	0	13.0N 07.0W 33	WELL
G2-127871CL	MANGES GEORGE W	Claim L		0	0	13.0N 07.0W 33	WELL
G2-127967CL	CARLSON JACOB A	Claim L		0	0	13.0N 07.0W 33	WELL
G2-127968CL	CARLSON JACOB A	Claim L		0	0	13.0N 07.0W 33	WELL
G2-105019CL	STIGAR TIMOTHY G	Claim L		0	0	13.0N 07.0W 33	WELL
G2-089367CL	BILOW LUCILLE	Claim S		0	0	13.0N 07.0W 33	
G2-083175CL	RAGIN MARTIN M	Claim S		0	0	13.0N 07.0W 33	
	WARANKA MARSHALL						
G2-079296CL	A.	Claim L		0	0	13.0N 07.0W 33	WELL
G2-074350CL	BILOW LESLIE E.	Claim S		0	0	13.0N 07.0W 33	
G2-074351CL	BILOW LESLIE E.	Claim S		0	0	13.0N 07.0W 33	
G2-073961CL	THOMPSON GILMORE	Claim L		0	0	13.0N 07.0W 33	WELL
G2-014240CL	HOOVER CLYDE M.	Claim L		0	0	13.0N 07.0W 33	
05089	FOSJACK J	Cert	11/14/1949	0.4	40	13.0N 07.0W 33	WILLA
11850	MILTON J A	Cert	12/8/1970	0.01	0	13.0N 07.0W 33	WILLA
G2-29724	Mitchell Danny	NewApp	5/21/1998	90	2	13.0N 07.0W 33	WELL
G2-30040	Pacific Cnty PUD #2	NewApp	1/24/2002	75	0		WELL

Well log records for the area show that completion depths average around 75 feet below ground level. The Mitchell well is believed to be completed at 90 feet below ground level. Most wells in the area have fairly low yields. A withdrawal rate of 40 gallons per minute is realistically the upper limit of what the Mitchell well can produce.

Report Continued

Water Demand

The average daily water needs for residential supply in this area amount to approximately 300 gallons per day/connection, for a total residential demand of 0.67 acre-feet per year. Given the nature of Mr. Mitchell's landscaping needs, I recommend the allocation of an additional 6 inches per acre during the irrigation season for a total irrigation demand of 1.0 acre-feet.

CONCLUSION:

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation as recommended is a beneficial use, and should not impair existing rights or be detrimental to public welfare.

RECOMMENDATION:

I recommend that this application be approved and a permit be issued to allow appropriation of 40 gallons per minute from a well and 1.67 acre-feet per year for multiple domestic supply, and the irrigation of two acres.

This permit is subject to the following provisions.

PROVISIONS:

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, 1112 SE Quince Street, PO Box 47890, Olympia, Washington 98504-7890, prior to any new construction or alterations of a public water supply system.

An approved measuring device shall be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", Chapter 173-173 WAC.

Water use data shall be recorded annually and maintained by the property owner for a minimum of five years, and shall be promptly submitted to Ecology upon request.

Chapter 173-173 WAC describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed as a document entitled "Water Measurement Device Installation and Operation Requirements".

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

The Water Resources Act of 1971, Chapter 90.54 RCW specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

The applicant is advised that notice of Proof of Appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent distribution system has been constructed and that quantity of water allocated by the permit to the extent water is required, has been put to full beneficial use.

REPORTED BY: Jill E Walsh Date: December 12, 2003

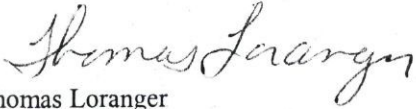
The statutory permit fee for this application is \$20.00.

FINDINGS OF FACT AND DECISION

Upon reviewing the above report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I find water is available for appropriation and the appropriation as recommended is a beneficial use and will not be detrimental to existing rights or the public welfare.

Therefore, I ORDER a permit be issued under Ground Water Application Number G2-29724, subject to existing rights and indicated provisions, to allow appropriation of public ground water for the amount and uses specified in the foregoing report.

Signed at Olympia, Washington, this 12th day of December, 2003.


Thomas Loranger
Water Resources Section Manager
Southwest Regional Office